

Fibrecrete "G"

Description

Fibrecrete is a flexible repair for joint/ large cracks, spalls and pot holes in concrete. It is a hot-applied, synthetic polymer modified resin compound containing mineral fillers, chopped fibers, and graded aggregates.

Applications

Fibrecrete "G" is designed to replace traditional cementitious repairs, which are prone to failure due to their stiffness. The installed product is a load-transferring repair that has superior tensile strength and flexibility to accommodate limited joint/crack movement due to thermal expansion and contraction and vibratory movements. Fibrecrete "G" has exceptional resistance to water intrusion and to a broad range of salts, bases and organic materials, making the repair a long-term solution for highway maintenance projects.

Packaging

Fibrecrete "G" is supplied in 50 pound meltable bags.

Technical Information

Typical Properties	Requirement	Test Method
Color	Grey	
Tensile Strain	35% minimum @ 2"/minute	FTL 548-C
Cone Flow	7% Maximum	FTL 549-C
Aggregate Settlement	3% Maximum	FTL 551-C
Flexibility/Mandrel	Good or Better (No tearing at bend point)	FTL 550-C
Resilience	50% Recovery	FTL 547-C
Recommended Application Temperature	300°F - 380°F	
Specific Gravity	1.8-2.0	

* FTL Test methods are available upon request.

Surface Preparation

The joint/crack shall be milled or saw cut/jackhammered to the specified width and depth using an approved milling machine.

The spall or pot hole will be milled or saw cut/jackhammered to remove the defective areas. The joint/crack, spall, or pot hole surfaces will be cleaned and dried with compressed air. The recessed area and vertical walls will be treated with *Fibrecrete Primer* to promote adhesion and prevent moisture intrusion (for concrete applications only).

Application Instructions

The Fibrecrete "G" material will be heated in a thermostatically controlled purpose built mixer, having a horizontal agitator that ensures complete mixing. Once the material has reached approximately 300°F, the molten Fibrecrete "G" will be introduced into the prepared repair, sealing the bottom of the repair from water intrusion. If the depth of the repair exceeds 1 inch the remainder of the repair process will consist of layering coarse hot angular aggregate (cleaned and dried) at a rate of 20%- 30% by volume with the molten Fibrecrete "G" until within $\frac{3}{4}$ " of the top of the repair. The bulking Stone shall be pushed or beaten into the repair area to ensure that the stone is distributed properly in the patch and that there are no dry layers of bulking stone. The final $\frac{3}{4}$ " of the repair will be Fibrecrete "G" material for optimum flexibility of the repair. Once this top layer has been ironed to a level grade, a high PSV aggregate will be applied to the top of the repair to ensure proper skid resistance. Depending on the depth of the repair, the Fibrecrete "G" material will be ready for traffic return between 30 minutes to 2 hours.

All removed materials and residual repair materials will be recovered and disposed of away from the site according to the client's specifications.

Health & Safety

See SDS for complete safety precautions prior to use. Use HSE-approved personal protective equipment (PPE), including safety glasses, gloves and confined space equipment/procedures if applicable. Avoid skin contact; do not ingest. For professional use only.

Warranty & Disclaimer

Fibrecrete warrants their products to be free from manufacturing defects and that products meet the published characteristics when tested in accordance with Fibrecrete standards. No other warranties by the Manufacturer are expressed or implied, including no warranty of merchantability or fitness for a particular purpose. The Manufacturer will not be liable for damages of any sort resulting from any claimed breach of warranty since it has no control over how the products are used and applied. The Manufacturer's liability under this warranty is limited to replacement of material or refund of sales price of the material. There are no warranties on any product that has exceeded the "shelf life" or "expiration date" printed on the package label.